


MODEL AVM-2058G
MODEL AVM-2058C
MODEL AVM-2068C

Chassis No. G6D-2058G0
Chassis No. G6D-2058C0
Chassis No. G6D-2068C0

SCHEMATIC DIAGRAMS

- NOTES ON SCHEMATIC DIAGRAM**
- 1. All resistance values in ohms K=1,000 M=1,000,000.
 - 2. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in μ F (Micro Farad), and the values more than 1 are in pF.
 - 3. Unless otherwise noted on schematic, voltage reading taken with "VOM" from point indicated to chassis ground. Voltage reading taken using a color bar signal on VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
 - 4. Waveforms were taken with color bar signal and controls adjusted for normal picture. Waveforms marked with an * may vary with signal strength.
 - 5. The Symbol  indicates fusible resistor, which protects the circuit from possible short circuits.

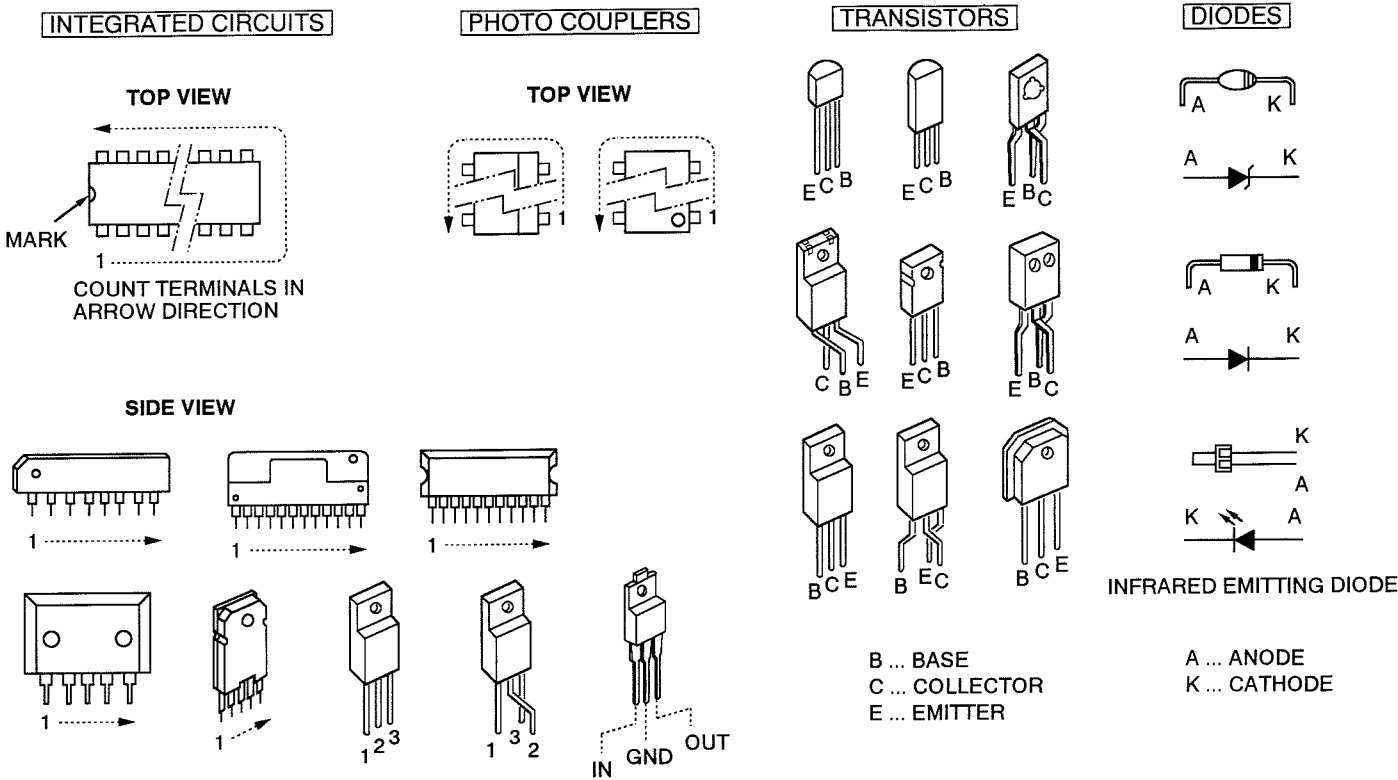
- SERVICE NOTES:**
- 1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
 - 2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8") from circuit board.
 - 3. Keep wires away from high voltage and high temperature components.

PRODUCT SAFETY NOTICE

THE COMPONENTS DESIGNATED BY A STAR(★) ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENT WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A STAR NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

X - RADIATION WARNING NOTE

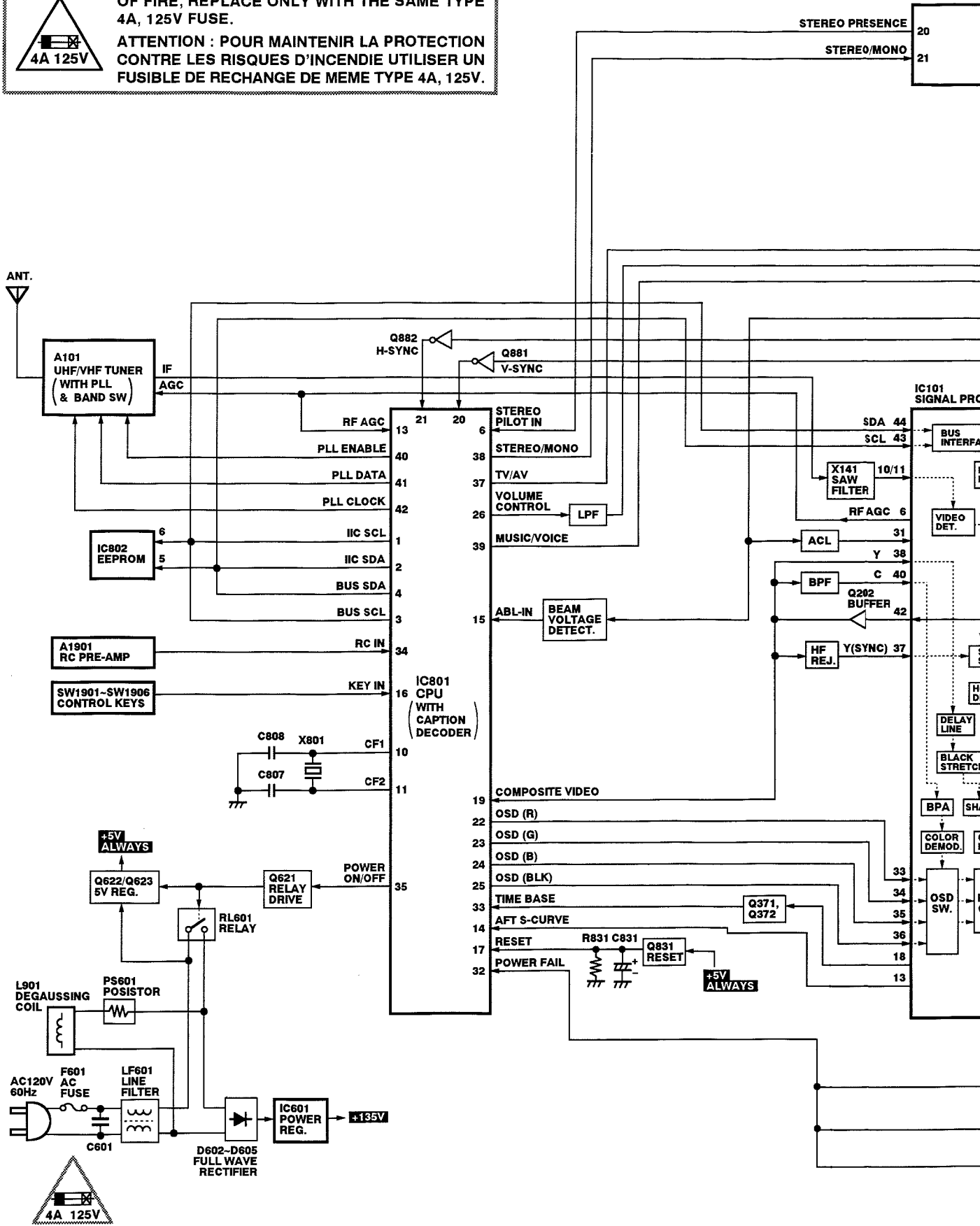
THIS TV CONTAINS CRITICAL PARTS TO PROTECT AGAINST X-RADIATION. NOMINAL 2ND ANODE VOLTAGE IS 28.0KV AT ZERO BEAM CURRENT AT 120VOLTS AC LINE, AND MUST NOT EXCEED 29.0KV UNDER ANY OPERATING CONDITION. SEE HIGH VOLTAGE CHECK ON PAGE 7.



BLOCK DIAGRAM

CAUTION FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE 4A, 125V FUSE.

ATTENTION : POUR MAINTENIR LA PROTECTION CONTRE LES RISQUES D'INCENDIE UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE 4A, 125V.

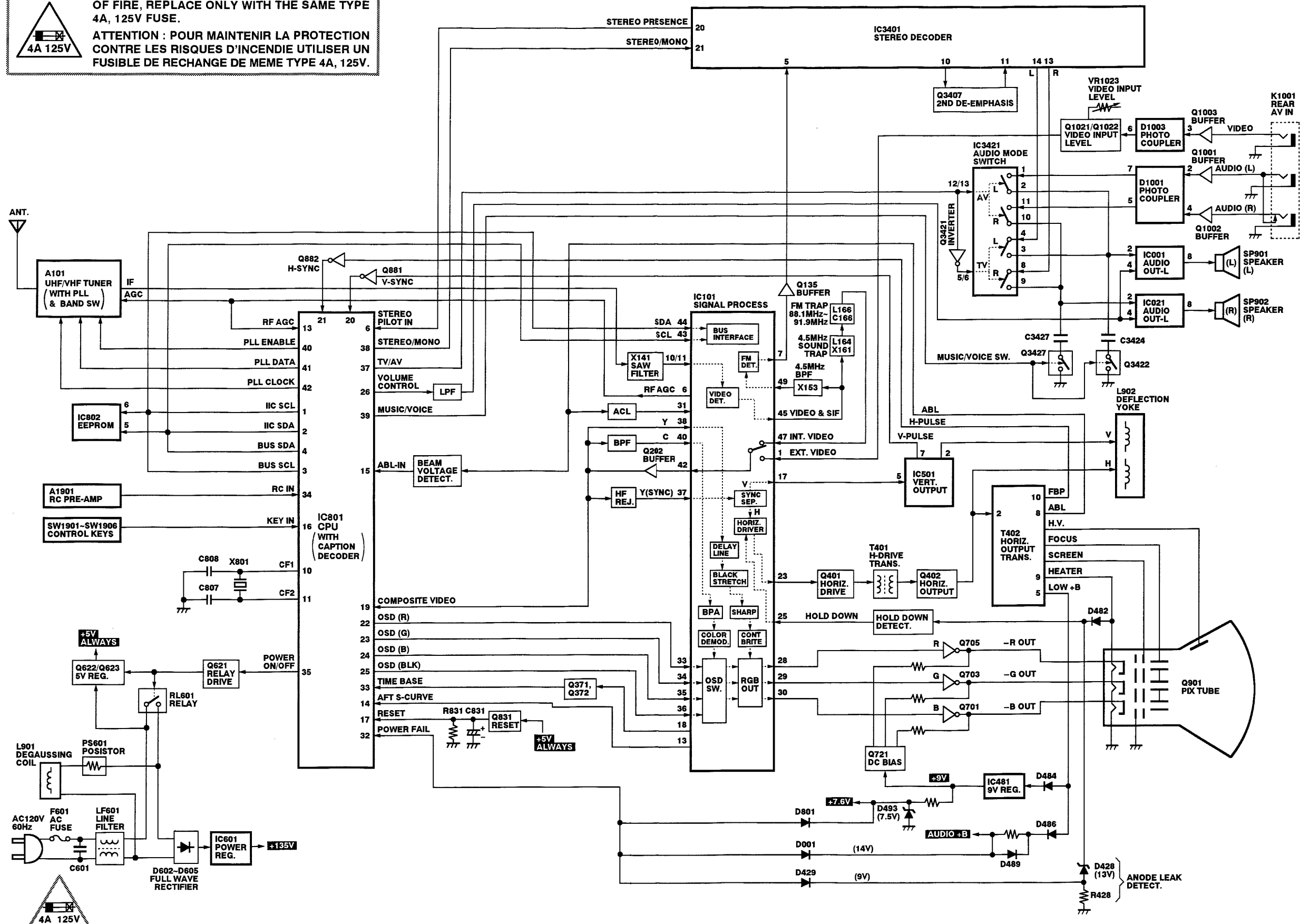


VOLTAGE CHARTS

BLOCK DIAGRAM

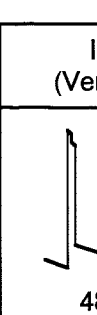
CAUTION FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE 4A, 125V FUSE.

ATTENTION : POUR MAINTENIR LA PROTECTION CONTRE LES RISQUES D'INCENDIE UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE 4A, 125V.



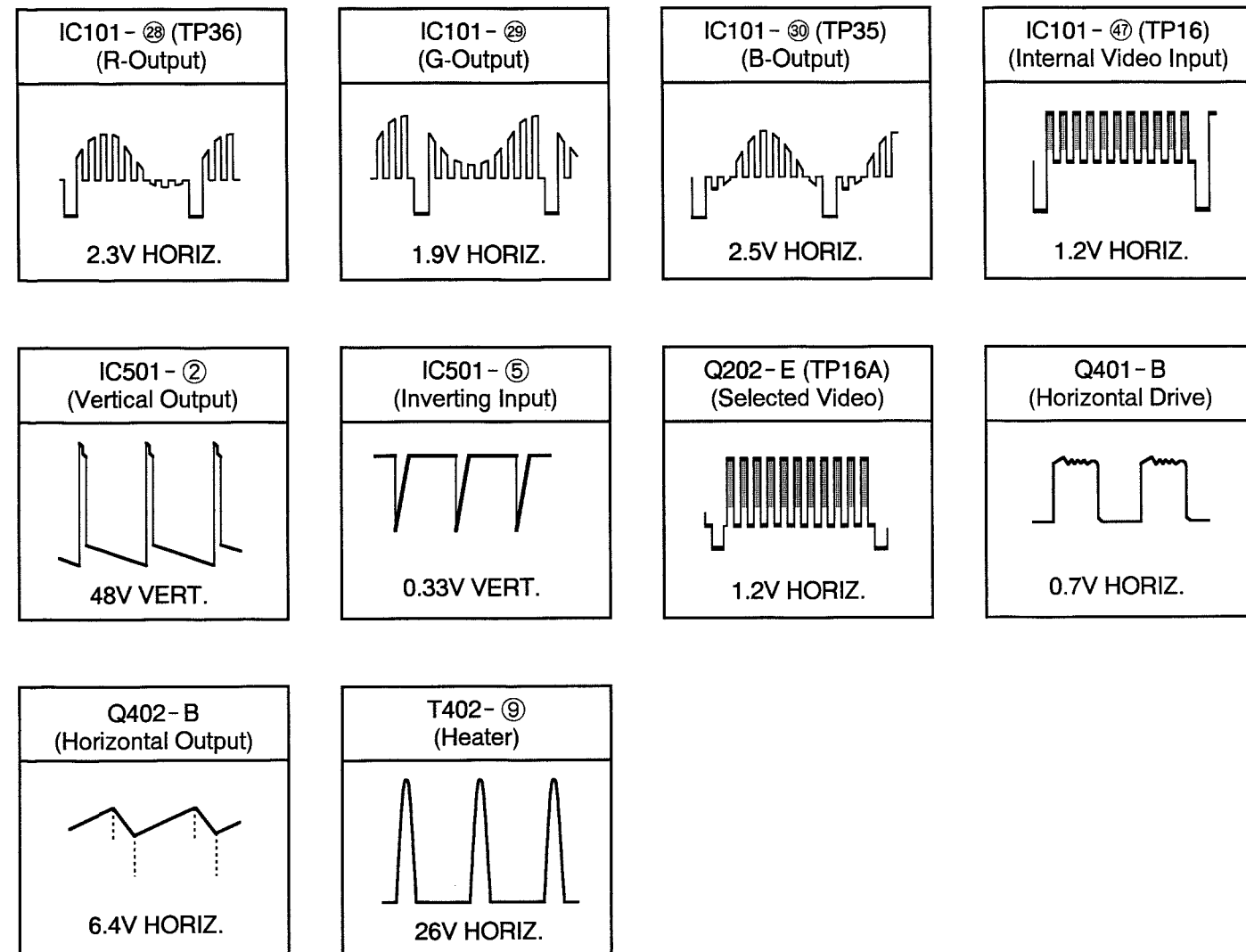
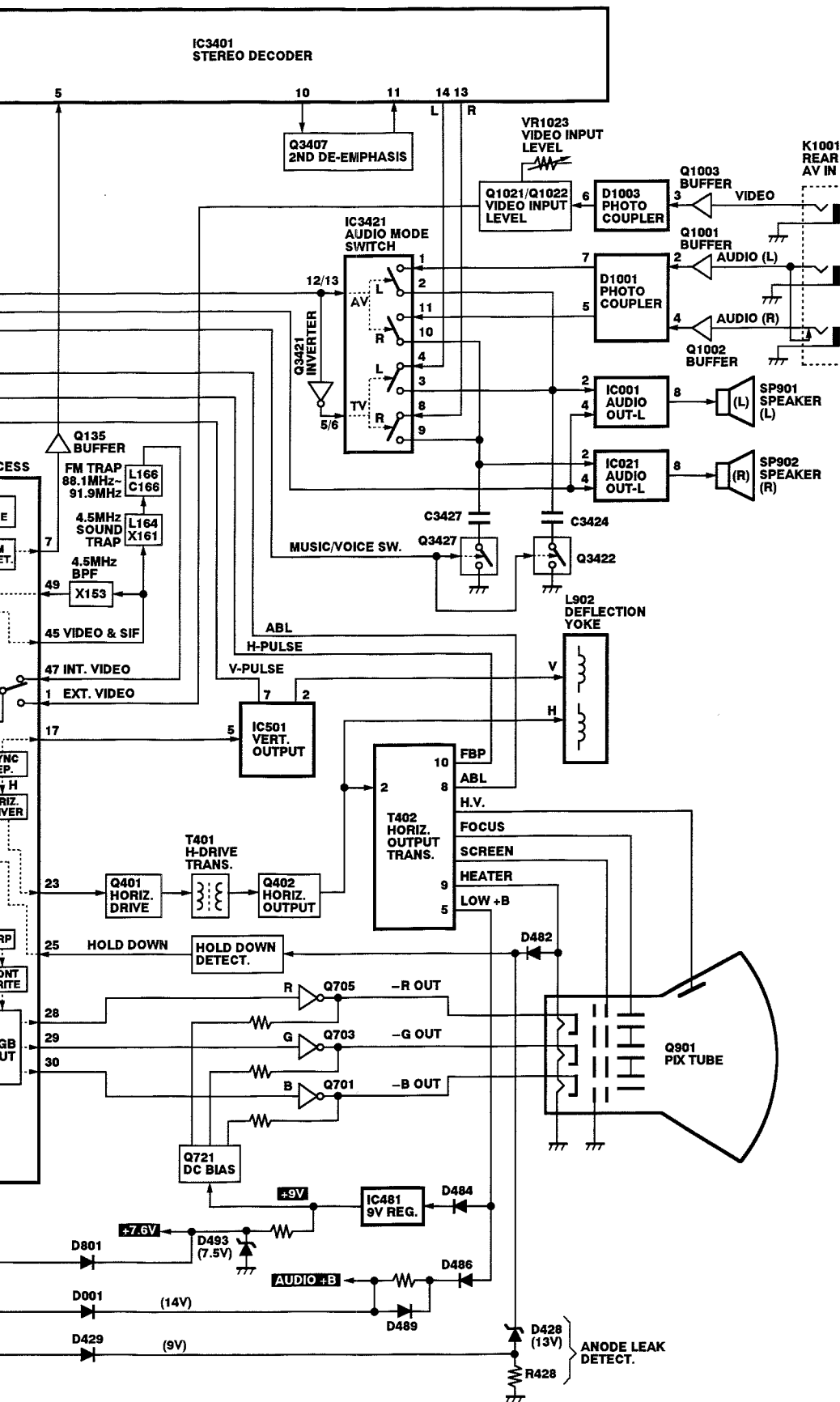
VOLTAGE CHARTS

NOTE: V



WAVEFORMS

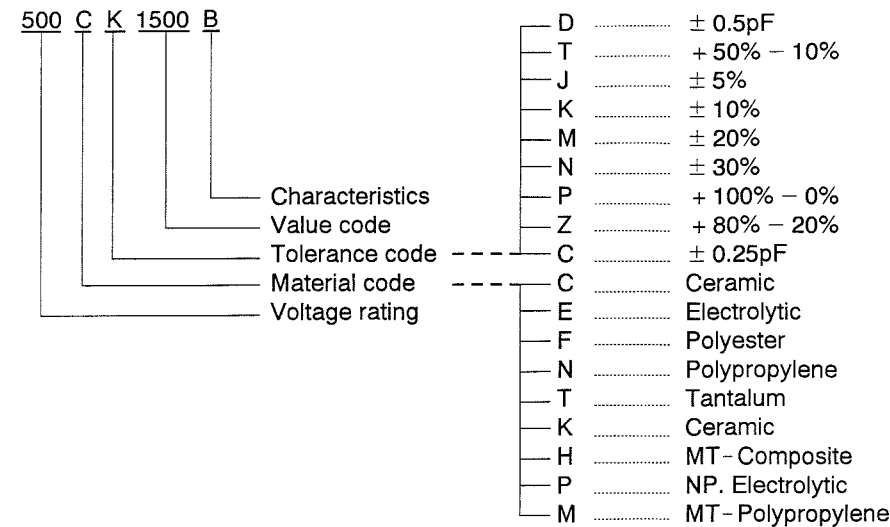
NOTE: Waveforms were taken with color bar signal and controls adjusted for normal picture.



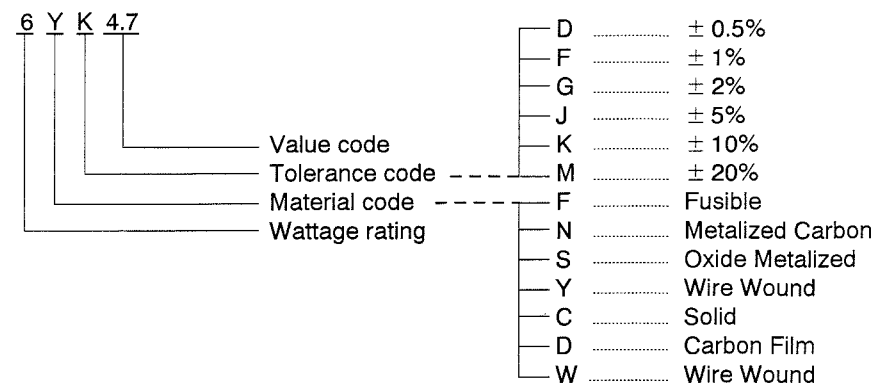
VOLTAGE CHARTS

CAPACITOR AND RESISTOR CODE CHART

CAPACITOR (Example)



RESISTOR (Example)



Note: voltages were measured with color bar signal and controls adjusted for normal picture.

Device/Pin#	Volts/Mode	
D1001-1	11.4	
D1001-2	10.3	
D1001-3	11.4	
D1001-4	10.3	
D1001-5	3.9	
D1001-6	8.8	
D1001-7	3.7	
D1001-8	8.8	
D1003-1	N.C.	
D1003-2	12.0	
D1003-3	10.4	
D1003-4	N.C.	
D1003-5	GND	
D1003-6	8.2	
D1003-7	N.C.	
D1003-8	9.0	
IC001-1	9.0	
IC001-2	4.0	
IC001-3	N.C.	
IC001-4	VOL. MIN: 0.3	VOL. MAX: 8.7
IC001-5	6.6	
IC001-6	6.7	
IC001-7	GND	
IC001-8	6.8	
IC001-9	14.4	
IC021-1	9.0	
IC021-2	4.0	
IC021-3	N.C.	
IC021-4	VOL. MIN: 0.3	VOL. MAX: 8.7
IC021-5	6.6	
IC021-6	6.7	
IC021-7	GND	
IC021-8	6.8	
IC021-9	14.4	
IC101-1	1.6	
IC101-2	6.7	
IC101-3	6.7	
IC101-4	7.6	
IC101-5	N.C.	
IC101-6	3.8	
IC101-7	3.6	
IC101-8	1.1	
IC101-9	GND	
IC101-10	3.8	
IC101-11	3.8	
IC101-12	5.1	
IC101-13	3.4	
IC101-14	5.8	
IC101-15	3.9	
IC101-16	3.6	
IC101-17	3.8	

Device/Pin#	Volts/Mode
IC101-18	6.1
IC101-19	4.6
IC101-20	GND
IC101-21	7.4
IC101-22	5.2
IC101-23	0.6
IC101-24	0.9
IC101-25	0
IC101-26	7.6
IC101-27	GND
IC101-28	2.6
IC101-29	2.7
IC101-30	2.7
IC101-31	4.8
IC101-32	7.6
IC101-33	3.5
IC101-34	3.5
IC101-35	3.5
IC101-36	0
IC101-37	5.0
IC101-38	3.5
IC101-39	3.6
IC101-40	0
IC101-41	0
IC101-42	3.1
IC101-43	4.6
IC101-44	4.5
IC101-45	3.2
IC101-46	GND
IC101-47	3.2
IC101-48	3.9
IC101-49	2.5
IC101-50	3.8
IC101-51	N.C.
IC101-52	4.7
IC3401-1	4.8
IC3401-2	3.1
IC3401-3	3.4
IC3401-4	3.4
IC3401-5	4.5
IC3401-6	GND
IC3401-7	0.4
IC3401-8	N.C.
IC3401-9	3.9
IC3401-10	3.9
IC3401-11	3.9
IC3401-12	N.C.
IC3401-13	3.1
IC3401-14	3.1
IC3401-15	4.3
IC3401-16	3.9
IC3401-17	3.2
IC3401-18	3.2

Device/Pin#	Volts/Mode	
IC3401-19	7.5	
IC3401-20	STEREO: 0	OTHERS: 4.3
	STEREO: 0	MONO: 0
IC3401-21	0	
IC3401-22	3.8	
IC3401-23	3.3	
IC3401-24	3.4	
IC3421-1	3.2	
IC3421-2	3.0	
IC3421-3	3.0	
IC3421-4	3.1	
IC3421-5	TV: 4.9	AV: 0
IC3421-6	TV: 4.9	AV: 0
IC3421-7	GND	
IC3421-8	3.1	
IC3421-9	3.1	
IC3421-10	3.1	
IC3421-11	3.3	
IC3421-12	TV: 0	AV: 4.7
IC3421-13	TV: 0	AV: 4.7
IC3421-14	4.9	
IC481-1 (IN)	13.7	
IC481-2	GND	
IC481-3 (OUT)	9.3	
IC501-1	GND	
IC501-2	15.3	
IC501-3	27.2	
IC501-4	3.9	
IC501-5	3.9	
IC501-6	26.7	
IC501-7	1.0	
IC601-1	GND	
IC601-2	136.5	
IC601-3	160.2	
IC601-4	135.5	
IC601-5	N.C.	
IC801-1	4.6	
IC801-2	4.2	
IC801-3	4.6	
IC801-4	4.5	
IC801-5	5.1	
IC801-6	STEREO: 0	OTHERS: 4.3
	N.C.	
IC801-7	N.C.	
IC801-8	N.C.	
IC801-9	GND	
IC801-10	2.3	
IC801-11	2.5	
IC801-12	5.1	
IC801-13	2.9	
IC801-14	2.1	
IC801-15	0	

Device/Pin#	
IC801-16	
IC801-17	
IC801-18	
IC801-19	
IC801-20	
IC801-21	
IC801-22	
IC801-23	
IC801-24	
IC801-25	
IC801-26	
IC801-27	
IC801-28	
IC801-29	
IC801-30	
IC801-31	
IC801-32	
IC801-33	
IC801-34	
IC801-35	
IC801-36	
IC801-37	
IC801-38	
IC801-39	
IC801-40	
IC801-41	
IC801-42	
IC802-1	
IC802-2	
IC802-3	
IC802-4	
IC802-5	
IC802-6	
IC802-7	
IC802-8	
Q1001-B	
Q1001-C	
Q1001-E	
Q1002-B	
Q1002-C	
Q1002-E	
Q1003-B	
Q1003-C	
Q1003-E	
Q1021-B	
Q1021-C	
Q1021-E	
Q1022-B	
Q1022-C	
Q1022-E	
Q135-B	

VOLTAGE CHARTS

Note: voltages were measured with color bar signal and controls adjusted for normal picture.

Device/Pin#	Volts/Mode	
D1001-1	11.4	
D1001-2	10.3	
D1001-3	11.4	
D1001-4	10.3	
D1001-5	3.9	
D1001-6	8.8	
D1001-7	3.7	
D1001-8	8.8	
D1003-1	N.C.	
D1003-2	12.0	
D1003-3	10.4	
D1003-4	N.C.	
D1003-5	GND	
D1003-6	8.2	
D1003-7	N.C.	
D1003-8	9.0	
IC001-1	9.0	
IC001-2	4.0	
IC001-3	N.C.	
IC001-4	VOL. MIN: 0.3	VOL. MAX: 8.7
IC001-5	6.6	
IC001-6	6.7	
IC001-7	GND	
IC001-8	6.8	
IC001-9	14.4	
IC021-1	9.0	
IC021-2	4.0	
IC021-3	N.C.	
IC021-4	VOL. MIN: 0.3	VOL. MAX: 8.7
IC021-5	6.6	
IC021-6	6.7	
IC021-7	GND	
IC021-8	6.8	
IC021-9	14.4	
IC101-1	1.6	
IC101-2	6.7	
IC101-3	6.7	
IC101-4	7.6	
IC101-5	N.C.	
IC101-6	3.8	
IC101-7	3.6	
IC101-8	1.1	
IC101-9	GND	
IC101-10	3.8	
IC101-11	3.8	
IC101-12	5.1	
IC101-13	3.4	
IC101-14	5.8	
IC101-15	3.9	
IC101-16	3.6	
IC101-17	3.8	

Device/Pin#	Volts/Mode
IC101-18	6.1
IC101-19	4.6
IC101-20	GND
IC101-21	7.4
IC101-22	5.2
IC101-23	0.6
IC101-24	0.9
IC101-25	0
IC101-26	7.6
IC101-27	GND
IC101-28	2.6
IC101-29	2.7
IC101-30	2.7
IC101-31	4.8
IC101-32	7.6
IC101-33	3.5
IC101-34	3.5
IC101-35	3.5
IC101-36	0
IC101-37	5.0
IC101-38	3.5
IC101-39	3.6
IC101-40	0
IC101-41	0
IC101-42	3.1
IC101-43	4.6
IC101-44	4.5
IC101-45	3.2
IC101-46	GND
IC101-47	3.2
IC101-48	3.9
IC101-49	2.5
IC101-50	3.8
IC101-51	N.C.
IC101-52	4.7
IC3401-1	4.8
IC3401-2	3.1
IC3401-3	3.4
IC3401-4	3.4
IC3401-5	4.5
IC3401-6	GND
IC3401-7	0.4
IC3401-8	N.C.
IC3401-9	3.9
IC3401-10	3.9
IC3401-11	3.9
IC3401-12	N.C.
IC3401-13	3.1
IC3401-14	3.1
IC3401-15	4.3
IC3401-16	3.9
IC3401-17	3.2
IC3401-18	3.2

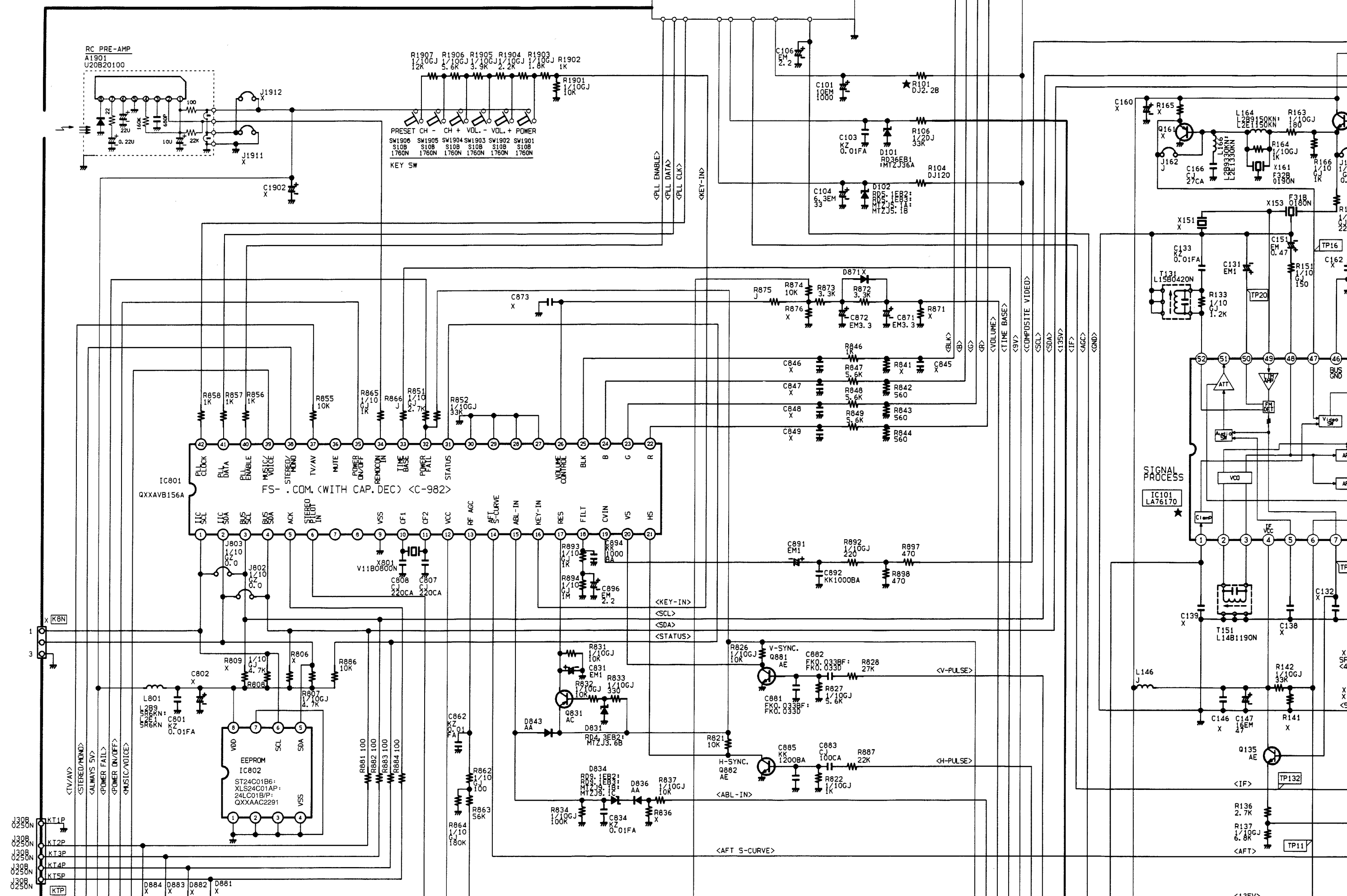
Device/Pin#	Volts/Mode	
IC3401-19	7.5	
IC3401-20	STEREO: 0	OTHERS: 4.3
IC3401-21	STEREO: 0	MONO: 0
IC3401-22	3.8	
IC3401-23	3.3	
IC3401-24	3.4	
IC3421-1	3.2	
IC3421-2	3.0	
IC3421-3	3.0	
IC3421-4	3.1	
IC3421-5	TV: 4.9	AV: 0
IC3421-6	TV: 4.9	AV: 0
IC3421-7	GND	
IC3421-8	3.1	
IC3421-9	3.1	
IC3421-10	3.1	
IC3421-11	3.3	
IC3421-12	TV: 0	AV: 4.7
IC3421-13	TV: 0	AV: 4.7
IC3421-14	4.9	
IC481-1 (IN)	13.7	
IC481-2	GND	
IC481-3 (OUT)	9.3	
IC501-1	GND	
IC501-2	15.3	
IC501-3	27.2	
IC501-4	3.9	
IC501-5	3.9	
IC501-6	26.7	
IC501-7	1.0	
IC601-1	GND	
IC601-2	136.5	
IC601-3	160.2	
IC601-4	135.5	
IC601-5	N.C.	
IC801-1	4.6	
IC801-2	4.2	
IC801-3	4.6	
IC801-4	4.5	
IC801-5	5.1	
IC801-6	STEREO: 0	OTHERS: 4.3
IC801-7	N.C.	
IC801-8	N.C.	
IC801-9	GND	
IC801-10	2.3	
IC801-11	2.5	
IC801-12	5.1	
IC801-13	2.9	
IC801-14	2.1	
IC801-15	0	

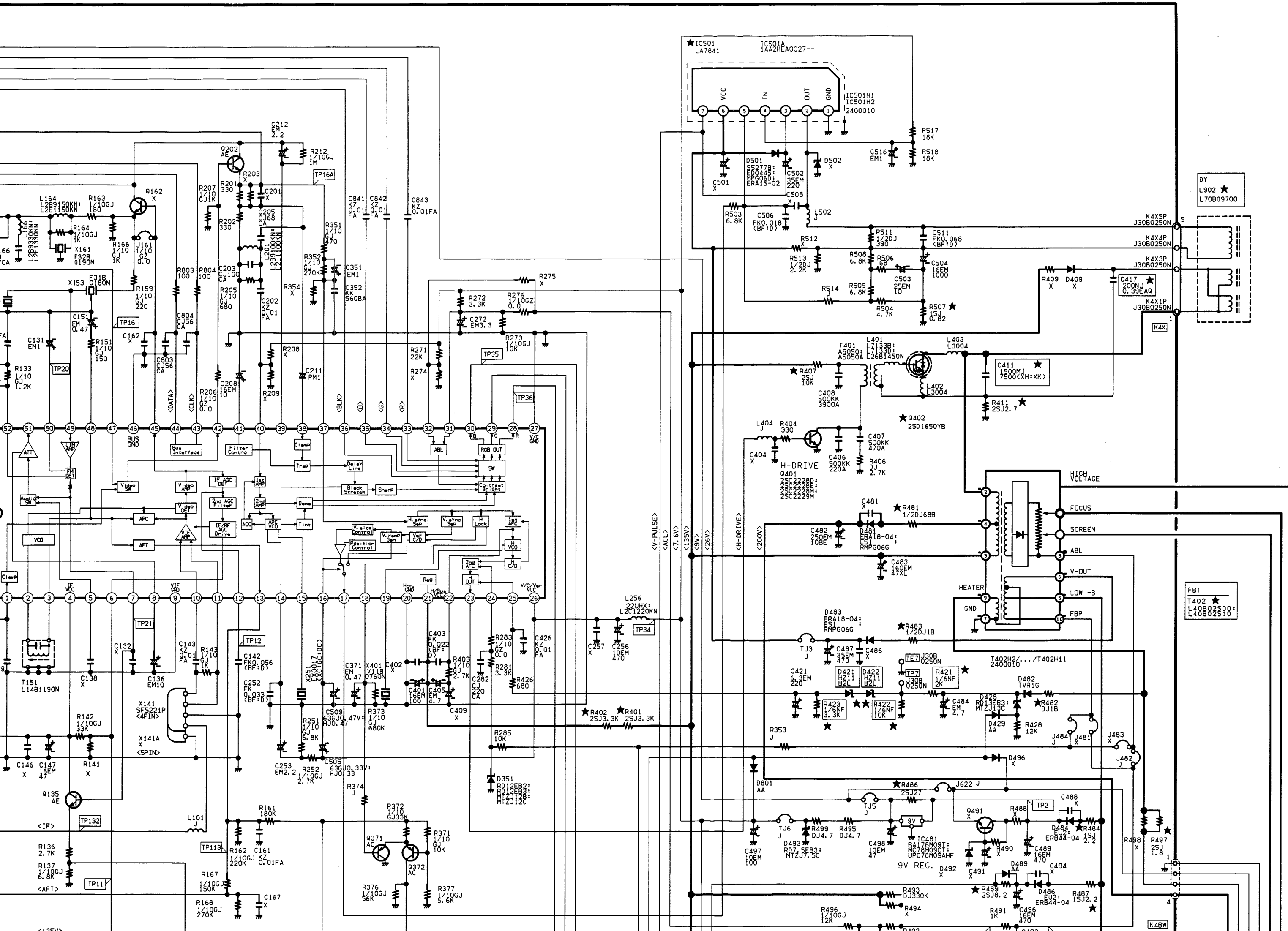
Device/Pin#	Volts/Mode	
IC801-16	0	
IC801-17	5.1	
IC801-18	2.8	
IC801-19	2.6	
IC801-20	4.9	
IC801-21	4.4	
IC801-22	0	
IC801-23	0	
IC801-24	0	
IC801-25	0	
IC801-26	VOL. MIN: 0	VOL. MAX.: 8.7
IC801-27	0	
IC801-28	0	
IC801-29	0	
IC801-30	0	
IC801-31	5.1	
IC801-32	4.9	
IC801-33	3.5	
IC801-34	5.1	
IC801-35	POWER ON: 4.9	POWER OFF: 0
IC801-36	N.C.	
IC801-37	TV: 0	AV: 5.1
IC801-38	STEREO: 0	MONO: 0
IC801-39	MUSIC: 0	VOICE: 5.0
IC801-40	0	
IC801-41	0	
IC801-42	0	
IC802-1	GND	
IC802-2	GND	
IC802-3	GND	
IC802-4	GND	
IC802-5	4.5	
IC802-6	4.6	
IC802-7	GND	
IC802-8	5.1	
Q1001-B	5.3	
Q1001-C	10.3	
Q1001-E	4.7	
Q1002-B	5.4	
Q1002-C	10.3	
Q1002-E	4.7	
Q1003-B	1.8	
Q1003-C	10.4	
Q1003-E	1.1	
Q1021-B	1.0	
Q1021-C	8.3	
Q1021-E	0.4	
Q1022-B	8.3	
Q1022-C	9.0	
Q1022-E	7.7	
Q135-B	3.6	

Device/Pin#	Volts/Mode	
Q135-C	7.6	
Q135-E	3.1	
Q202-B	3.1	
Q202-C	7.6	
Q202-E	2.5	
Q3407-B	3.9	
Q3407-C	GND	
Q3407-E	4.5	
Q3421-B	TV: 0	AV: 0.6
Q3421-C	TV: 4.9	AV: 0
Q3421-E	GND	
Q3422-B	MUSIC: 0	VOICE: 0.7
Q3422-C	MUSIC: 0	VOICE: 0
Q3422-E	GND	
Q3427-B	MUSIC: 0	VOICE: 0.7
Q3427-C	MUSIC: 0	VOICE: 0
Q3427-E	GND	
Q371-B	6.1	
Q371-C	GND	
Q371-E	3.6	
Q372-B	3.0	
Q372-C	3.5	
Q372-E	3.6	
Q401-B	0.3	
Q401-C	48.5	
Q401-E	GND	
Q402-B	0.65	
Q402-C	N/A	
Q402-E	0.7	
Q621-B	POWER ON: 0.7	POWER OFF: 0
Q621-C	POWER ON: 0	POWER OFF: 16.7
Q621-E	GND	
Q622-B	POWER ON: 5.2	POWER OFF: 5.9
Q622-C	POWER ON: 19.2	POWER OFF: 5.3
Q622-E	POWER ON: 5.1	POWER OFF: 5.2
Q623-B	POWER ON: 4.5	POWER OFF: 16.7
Q623-C	POWER ON: 5.1	POWER OFF: 5.2
Q623-E	POWER ON: 5.3	POWER OFF: 17.5
Q701-B	2.7	
Q701-C	168.7	
Q701-E	2.5	
Q703-B	2.6	
Q703-C	177.0	
Q703-E	2.4	
Q705-B	2.6	

Device/Pin#	Volts/Mode
Q705-C	175.0
Q705-E	2.4
Q721-B	1.6
Q721-C	GND
Q721-E	2.3
Q831-B	4.5
Q831-C	5.1
Q831-E	5.1
Q881-B	0
Q881-C	4.9
Q881-E	0
Q882-B	-0.1
Q882-C	4.4
Q882-E	GND

MODEL AVM-2068C Chassis No.G6D-2068C0







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For parts or service contact

SANYO FISHER Service Company

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